Bridging the Gap Between Assessment of Condition

and Diagnosis of Impairment

Moderator: Naomi Detenbeck et al., USEPA

This series of presentations will describe a series of tools and methods for establishing watershed-based sampling designs to support combined assessment and listing processes under sections 305(b) and 303(d) of the Clean Water Act. Tools and databases for watershed delineation, characterization, and classification will be included. Three sampling design strategies will be illustrated with specific case studies.

9:00 – 9:25 a.m.

   National Watershed Boundary Database (Bob Pierce - USGS)

9:25 – 9:50 a.m.

   Tools for automated watershed delineation (Sue Greenlee, USGS)

9:50 – 10:20 a.m

   Mid-Atlantic Coastal Streams Study: Statistical Design for Regional   Assessment and Landscape Model Development (Judith Denver, USGS, Scott Ator, USGS, Ann Pitchford, USEPA, Tony Olsen, USEPA, Anne Neale, USEPA)

10:20 – 10:50 a.m.

   WV R-EMAP study: Multiple-objective sampling design framework

   Naomi Detenbeck, USEPA, Dan Cincotta WV DNR, Florence Fulk, USEPA, Frank McCormick USEPA)

10:50 – 11:20 am

   Demonstration of Multi-scale Integrated Monitoring and Assessment in New York/New Jersey Harbor (Walt Galloway, USEPA)

11:20 – 11:45 am

   Demonstration of web-based watershed delineation and characterization tools (Sue Greenlee, USGS)

11:45 - 12:15 pm   Facilitated discussion